ATTACHMENT 1
City of Los Angeles Proposal for Groundwater Monitoring of Chloride and TDS in the San Fernando Basin

Purpose/Objective

To implement an interim and long-term groundwater monitoring approach that monitors and protects the overall health of the San Fernando Groundwater Basin and supports the City of Los Angeles' goal to increase water supply reliability by maximizing the use of recycled water.

Proposed Interim Measures

1. **Prepare summary of existing conditions**
   (Estimated duration: 6 months, estimated completion: December 2008)
   A. Summarize and chart existing monitoring data for:
      1. DCT/LAG effluent concentrations for TDS and chloride (1998-Present)
      2. Potable source water: Los Angeles Aqueduct and State Water Project (1998-Present)
   B. Summarize existing groundwater monitoring data at LA River Narrows and Hansen Dam
   C. Summarize background salt characteristics and compare to DCT/LAG Basin Plan Objectives
   D. Prepare maps showing groundwater velocities by area and other relevant soil conditions
   E. Compile long-term recycled water plan for the Cities of Los Angeles and Glendale
   F. Meet with Regional Board staff to present existing conditions

2. **Establish Interim Groundwater Sampling & Analysis**
   (Estimated duration: 6 months, estimated start of monitoring: December 2008)
   A. Initiate quarterly Chloride and TDS monitoring at two wells in the Hansen Dam Area (EV-01 and EV-03) and at three wells in the Los Angeles River Narrows Area (PO-VPB-01, PO-VPB-03, and Pollock No. 6)
   B. Identify preliminary list of existing representative LADWP production wells
   C. Select a total of 3 existing wells in the Tujunga, Rinaldi-Toluca, or North Hollywood well fields.
   D. Meet with Regional Board to get approval of interim plan
   E. Perform interim quarterly monitoring for Chloride and TDS at the above 8 wells until San Fernando GW Monitoring Plan is developed and incorporate results into database

3. **Review the Salt Mass Balance Analysis**
   (Estimated duration: 3 months, estimated completion: July 2008)
   A. Validate original assumptions for irrigation usage and chloride/TDS concentrations
   B. Incorporate updated data points where available

4. **Peer review of revised Salt Mass Balance**
   (Estimated duration: 6 months, estimated completion: January 2009)
   A. Develop structure of peer review
   B. City and Regional Board to identify experts for peer review panel
   C. Submit mass balance for peer review
   D. Present report recommendations to Regional Board

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Proposed Long-Term Plan for the San Fernando Basin

1. **Development of Groundwater Monitoring Plan for Chloride and TDS**
   (Estimated duration: 24 months; estimated completion: July 2010)
   A. Form the San Fernando Basin Groundwater Monitoring Committee
      - LARWQCB
      - City of Los Angeles
      - Upper Los Angeles River Area Watermaster
      - City of Burbank
      - City of Glendale
      - City of San Fernando
      - Crescenta Valley Water District
      - Metropolitan Water District
      - Los Angeles County Department of Public Works (stormwater recharge)
      - California Department of Public Health (would be selected/invited by LARWQCB)
      - San Fernando Basin Specific Non Governmental Organizations (would be selected/invited by LARWQCB)
   B. Develop Groundwater Monitoring Committee's work plan, budget, and cost sharing agreement among all stakeholders
   C. Inform Stakeholders
   D. Establish Master contact list
   E. Conduct literature review and develop Survey or Questionnaire for recycled water beneficial users
   F. Collect data from existing representative monitoring wells and create database
   G. Define and Establish Representative Study Areas within San Fernando Basin
   H. Establish existing water quality ("background") for each study area as a whole
   I. Identify information data gaps and develop plan to address data gaps
   J. Produce Groundwater Monitoring Plan Summary Report
   K. Present Summary Report for Regional Board consideration

2. **Development of "San Fernando Basin Salt Management Plan"**
   (Estimated duration: 24 months; estimated completion July 2012)
   A. Identify the various activities and the parties responsible for salinity contributions
   B. Form the San Fernando Basin Salt Management Committee
   C. Develop Committee's work plan, budget, and cost sharing agreement among all responsible parties
   D. Develop funding plan based on cost sharing agreements
   E. Responsible parties will develop Draft San Fernando Basin Salt Management Plan for Chloride and TDS
   F. Present Draft Plan for Regional Board consideration

List of Attachment:
- Gantt Chart

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